# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 06:00 on Wednesday 23 Aug 2023 until 23:59 on Thursday 24 Aug 2023

Forecast Issued on Wednesday 23 Aug 2023 at 00:06

**Confidence:** High confidence for the situation on Wedneday, with a showery theme developing on Thursday but low confidence with regards to their intensity and distribution.

**Headline for Wednesday 23 Aug 2023:** Fairly cloudy with outbreaks of rain and drizzle.

**Mountain weather hazards on Wednesday 23 Aug 2023**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy persistent snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>No Likelihood | **Poor visibility**<br>Medium Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>Low Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Sunny intervals | Fog | Cloudy | Cloudy | Cloudy | Partly cloudy (night) |
| Precipitation probability | | | | | |
| 20% | 40% | 30% | 20% | 10% | 10% |

**Forecast for Wednesday 23 Aug 2023**

**Weather:** A dry start to the day with patches of low cloud, mostly in the west, with sunny spells in the east. Cloud thickening through the morning as it spreads in from the west, enough to produce outbreaks of light rain and drizzle from mid-morning. Cloud and patchy rain likely mostly clearing during the afternoon. Perhaps some late sunny spells.

**Chance of cloud-free hill tops above 600m:** 40% at first, increasing to 70% by late morning, then 90% for the afternoon.

**Low cloud and visibility:** Poor or very poor at first, mainly in the west, with patches of cloud as low as 400m, perhaps 300m briefly in any drizzle. The cloud will slowly lift above summits, the visibility becoming mostly good. Becoming moderate to poor in rain or drizzle, however.

Check our weather forecast every day to get the most accurate and up to date information
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# Mountain Weather Forecast

**Forecast for Wednesday 23 Aug 2023**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 11/14 SW | 10/14 SW | 12/17 SW | 11/16 SW | 9/12 SW | 10/13 S | 11/17 S |
| **300** | 7/10 SW | 8/11 SW | 10/14 SW | 9/13 SW | 5/8 SW | 5/8 S | 8/11 S |
| **Valley** | 3/8 S | 5/10 SW | 7/13 SW | 6/12 SW | 3/8 SW | 4/8 SE | 4/12 S |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 11/9 | 12/10 | 14/11 | 14/12 | 14/13 | 14/12 | 14/12 |
| **300** | 13/12 | 14/13 | 16/15 | 17/16 | 17/16 | 16/16 | 16/15 |
| **Valley** | 14/14 | 15/15 | 17/16 | 18/17 | 17/17 | 16/16 | 16/16 |
| **Freezing Level*** | 2900m | 2900m | 3100m | 3100m | 3100m | 3100m | 3100m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Sometimes poor conditions in low cloud, requiring good navigation skills. Otherwise, UV could reach moderate levels in any brighter spells, mainly in the east, so sun protection could still be needed.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 02:00 on Wed 23 Aug 2023 | 1mm | 2.2mm | 2.4mm |

**Forecast for Thursday 24 Aug 2023**

**Weather:** A dull and cloudy morning with outbreaks of rain and showers, perhaps briefly heavy during the morning. However, any rain will clear southeast by lunchtime, giving way to brighter conditions and quite possibly sunny spells in the afternoon. Feeling cooler than previous days.

**Maximum wind:** Westerly 12mph with gusts 20mph.

**Chance of cloud-free hill tops above 600m:** 10-20% in the morning, but increasing to 90% in the afternoon.

**Low cloud and visibility:** Banks of low cloud are expected to move across the Peaks on Thursday morning, with cloud perhaps as low as 300m. There is low confidence about the clearance time, the cloud perhaps lingering through the morning whilst giving poor to very poor visibilities. Becoming generally good to very good in the afternoon.

**Temperature:** **Valleys:** Plus 14 Celsius becoming plus 19 Celsius.
**At 600m:** Plus 13 Celsius.
**Freezing level:** Above summits.

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